

#8a  
Dec  
4/2/03

12A 16

**ROPES & GRAY**ONE INTERNATIONAL PLACE  
BOSTON, MA 02110

FACSIMILE TRANSMITTAL

FAX RECEIVED

APR 1 2003

GROUP 1600

To: Valarie Bertoglio

Fax: (703) 872-9306

From: Matthew Vincent  
617-951-7739

Date: 3/31/2003

OFFICIAL

Matter: GNCA-p03-007

Pages: (6)

code: V28426

☐ Urgent☐ For Review☐ Please Comment☐ Please Reply☐ Please Recycle

## Notes:

In re Application of: Beach et al.

Attorney Docket No. GNCA-P03-007

Serial No.: 10/055,797

Art Unit: 1632

Filed: January 22, 2002

Examiner: Bertoglio, Valarie E.

For: Methods and Compositions for RNA Interference

Transmitted herewith for the above-referenced patent application is a SECOND PRELIMINARY

AMENDMENT (5 pages).

**IMPORTANT — PLEASE READ**

The information contained in this facsimile message is intended only for the personal and confidential use of the designated recipients named above. This message may be an attorney-client communication and as such is privileged and confidential. If the reader of this message is not the intended recipient or an agent responsible for delivering it to the intended recipient, you are hereby notified that you have received this document in error, and that any review, dissemination, distribution or copying of this message is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us by mail. Thank you.

**IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION PLEASE TELEPHONE THE SENDER.**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Beach et al.

Serial No: 10/055,797

Filed: January 22, 2002

For: Methods and Compositions for RNA  
Interference

Attorney Docket No. GNCA-P03-007

Art Unit: 1632

Examiner: Bertoglio, Valarie E.

**CERTIFICATE OF FACSIMILE**

I hereby certify that this correspondence is being transmitted by facsimile to (703) 872-9306 for the attention of the Commissioner for Patents Washington, D.C. 20231 on the date indicated below:

March 31, 2003  
Date of Signature  
and of Mail Deposit

Matthew Vincent

Commissioner for Patents  
Washington, D.C. 20231

**SECOND PRELIMINARY AMENDMENT**

Prior to examination, please amend the claims of the above-identified application as follows:

**IN THE CLAIMS**

**Cancel claims 1-47 without prejudice.**

48. (new) A method for attenuating expression of a target gene in mammalian cells, comprising introducing into the mammalian cells a single-stranded hairpin RNA comprising self complementary sequences that form a duplex region, which self complementary sequences hybridize under intracellular conditions to a target gene, wherein said hairpin RNA (i) is a substrate for cleavage by a RNaseIII enzyme to produce a double-stranded RNA product, and (ii) reduces expression of said target gene in a manner dependent on the sequence of said complementary regions.